

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Orange County Health Care Agency	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Current Agency Caseworker: Ms. Julie Wozencraft	Case No.: 91UT072

Case Information

USTCF Claim No.: 9531	Global ID: T0605901394
Site Name: ARCO #1998	Site Address: 5472 Orangethorpe Avenue La Palma, CA 90623 (Site)
Responsible Party: Atlantic Richfield Company Attention: Ms. Janet Wager	Address: 201 Helios Way, Sixth Floor Houston, TX 77079
USTCF Expenditures to Date: \$0	Number of Years Case Open: 24

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901394

Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

The release at the Site was discovered in June 1991, when concentrations of petroleum constituents were identified in soil during a preliminary underground storage tank (UST) replacement assessment. Between July and September 1992 three gasoline USTs, dispensers, and associated piping were removed and replaced in new locations. A waste oil tank was removed and not replaced. A soil vapor extraction (SVE) system operated intermittently at the Site between December 1996 and October 2000. The SVE system removed more than 560 pounds of vapor phase hydrocarbons from the subsurface. A groundwater extraction system operated at the Site between July 2003 and February 2010, extracting and treating more than 1,163,000 gallons of petroleum impacted groundwater. The Site is operating as an active fueling facility.

Groundwater was measured at approximately 11 feet below ground surface (bgs). The groundwater plume that exceeds water quality objectives (WQOs) is less than 1,000 feet in length. The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **CLASS 5**. The regulatory agency determines, based on an analysis of Site specific conditions, which under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and WQOs will be achieved within a reasonable time frame. The contaminant plume that exceeds WQOs is approximately 150 feet in length. There is no free product. Dissolved benzene concentrations are less than 300 micrograms per liter (µg/L) and the dissolved methyl tert-butyl ether concentration is 1,200 µg/L. The nearest water supply well is greater than 1,000 feet from the defined plume boundary. The nearest surface water body is approximately 1,000 feet from the defined plume boundary.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets the **EXCEPTION** for vapor intrusion to indoor air. The Site is an active fueling facility and has no release characteristics that can be reasonably believed to pose an unacceptable health risk. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION (3) b**. A Site-specific assessment of the direct contact and outdoor air exposure pathway was conducted. The assessment found that there is a low risk of residual petroleum constituents adversely affecting human health. Soil concentrations in the upper 10 feet bgs in excess of the limits in Table 1 of the Policy were limited to a localized area and were detected over two decades ago and have likely attenuated significantly in the intervening years. Furthermore, the Site is paved and accidental access to Site soils is prevented.

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.

George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

2/26/2015

Date

